

What Is Claimed Is:

1. A recording and/or reproduction apparatus for recording and/or reproducing AV data onto and/or from a disc type recording medium, comprising:

first recording means for recording a file of AV data; and

second recording means for recording management information for the file to at least two locations of a logical volume.

2. A recording and/or reproduction apparatus according to claim 1, wherein the management information recorded by said second recording means includes information at least of a defective sector or sectors and an unused sector or sectors.

3. A file management method for a recording and/or reproduction apparatus for recording and/or reproducing AV data onto and/or from a disc type recording medium, comprising:

a first recording step of recording a file of AV data; and

a second recording step of recording management information for the file to at least two locations of a logical volume.

4. A providing medium for providing a program

which can be read by a computer for causing a recording and/or reproduction apparatus for recording and/or reproducing AV data onto and/or from a disc type recording medium to execute:

a first recording step of recording a file of AV data; and

a second recording step of recording management information for the file to at least two locations of a logical volume.

5. A recording and/or reproduction apparatus, comprising,

unit recording means for recording units of information which can be recorded onto a disc type recording medium;

setting means for setting lengths of the units of information to be recorded by said unit recording means; and

identification information recording means for recording, in response to a file recorded on the disc type recording medium, identification information for identification of the length of the unit adopted when the file is recorded from among the units of the length set by said setting means.

6. A recording and/or reproduction apparatus

according to claim 5, wherein said setting means sets the length of the unit of AV data longer than the length of the unit of computer data.

7. A recording and/or reproduction apparatus according to claim 5, further comprising control means for dividing the disc type recording medium into a plurality of blocks and controlling so that data may be recorded into an area of any of the divided blocks which is equal to or larger than one half the block.

8. A recording and/or reproduction apparatus according to claim 5, further comprising control means for dividing each of tracks of the disc type recording medium, onto which information is to be recorded, into  $n$  blocks and controlling so that data may be recorded into an area of any of the divided blocks which is equal to or larger than  $(n-1)/n$  of the block,  $n$  being an integer equal to or larger than 2.

9. A file management method for a recording and/or reproduction apparatus for recording and/or reproducing information onto and/or from a disc type recording medium, comprising:

a unit recording step of recording units of information which can be recorded onto the disc type recording medium;

a setting step of setting lengths of units of information to be recorded in the unit recording step; and

an identification information recording step of recording, in response to a file recorded on the disc type recording medium, identification information for identification of the length of the unit adopted when the file is recorded from among the units of the length set by said setting means.

10. A providing medium for providing a program which can be read by a computer for causing a recording and/or reproduction apparatus for recording and/or reproducing AV data onto and/or from a disc type recording medium to execute:

a unit recording step of recording units of information which can be recorded onto the disc type recording medium;

a setting step of setting lengths of units of information to be recorded in the unit recording step; and

an identification information recording step of recording, in response to a file recorded on the disc type recording medium, identification information for identification of the length of the unit adopted when the

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